

BTEC Level 3 Extended Diploma in Applied Science (Biomedical Science)

Course Overview

This is a two-year, full-time course (equivalent to three A levels) which will allow you to apply afterwards for a degree or to enter the sector workforce. The course incorporates a thorough grounding in the latest industry requirements and develops work-ready skills such as teamwork and experience of research, extended writing and meeting deadlines. The focus on the holistic development of your practical, interpersonal and thinking skills enables you to be both work ready and experienced in academic expectations. Our approach is to provide rigour and balance so as to promote your ability to apply your learning immediately in new contexts. If you are aged 16-18, you will be enrolled on a study programme, which will include retaking GCSEs or undertaking Functional Skills in English and maths if you haven't already achieved a grade 4 or above. You will also be required to complete a work experience placement and an employability programme.

What you will learn

Although topics may be subject to change, you will study a mix of four core units and two optional units in their first year. Units include topics such as: principles and applications of science (exam unit); practical scientific procedures and techniques; science investigation skills (exam unit); and an investigative project.

You will continue to study three core units and four option units in your second year. Units include topics such as laboratory techniques and their application; principles and applications of science 2 (exam unit); contemporary issues in science (exam unit); physiology of human body systems; human regulations and reproduction; genetics and genetic engineering; and medical and physics applications.

Entry Requirements

Standard entry to this course requires one positive reference, 90% attendance at your last place of work or study, and five GCSEs at 4 (grade C) or above including science, English and maths. Consideration will be given to all applicants over the age of 19 who do not hold formal English and maths qualifications.

How you will be assessed

Today's BTEC Nationals are demanding. For this course you will have to be organised, adhering to your deadlines and keeping a portfolio of your assignments. There are four externally assessed units (exams) over the two years of the course. The remainder of your qualification will be assessed internally by a variety of methods that may include a practical assignment, essays, and/or presentations.

Course Progression

Upon successful completion and achievement of this qualification you can either choose a pathway which focuses on a particular occupational area of employment, such as biomedical science, analytical and forensic science, criminology, or physical science, or you can take a general route for further study in the sector at a higher education establishment.

What Happens Next

Apply online via UCAS Progress or the College website. You will need details of your qualifications, a reference, and a personal statement to complete your application. Once your application has been successfully processed, you will be sent a conditional offer and be invited to a Welcome Event at the College to meet your tutors, learn more about your chosen course of study and tour the facilities. You will then need to confirm your acceptance of the course offered to you.

Course Details

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| Course Code | P00150 |
| Start Date | 08/09/2025 |
| Study Hours | Full Time |
| Duration | 2 years |
| Campus | Abbey Park Campus |
| Level | 3 |

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